Fig. 1

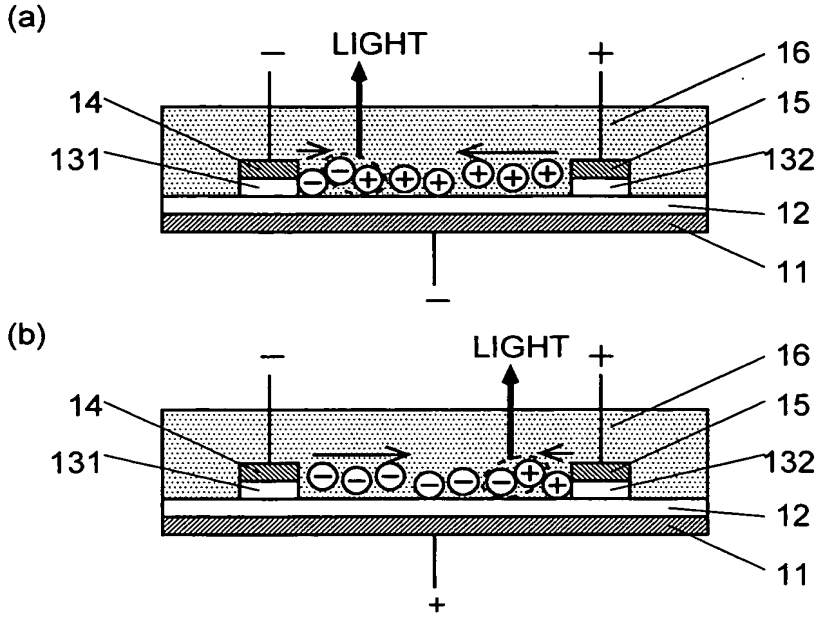


Fig. 2

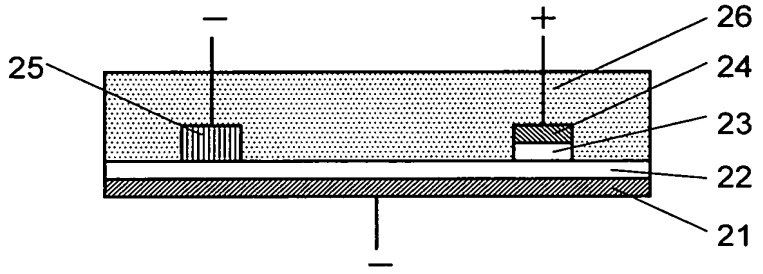


Fig. 3

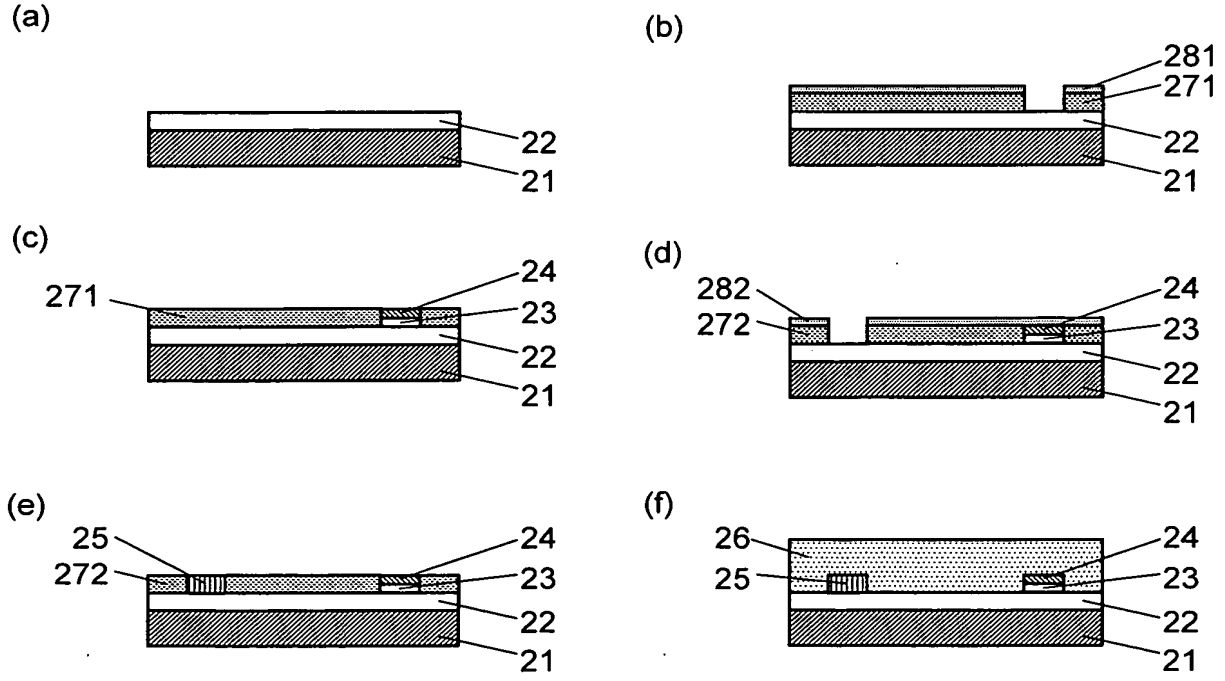


Fig. 4

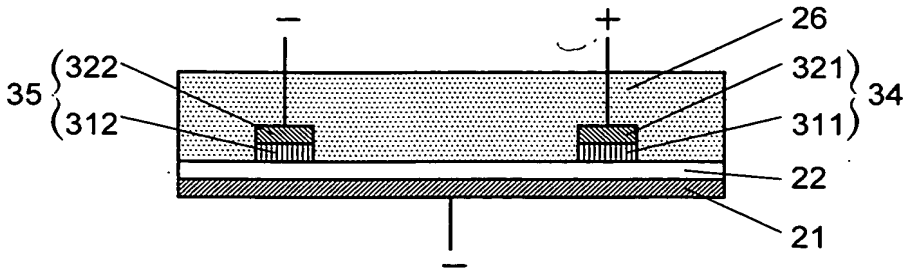


Fig. 5

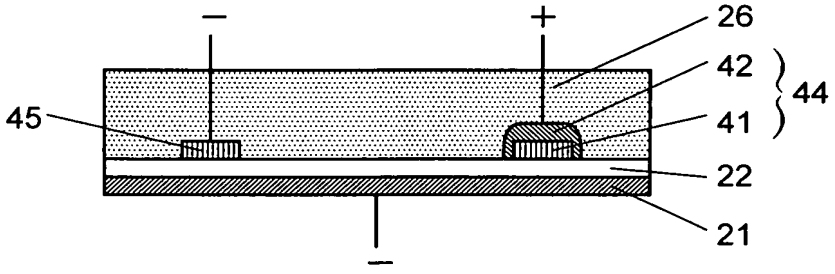


Fig. 6

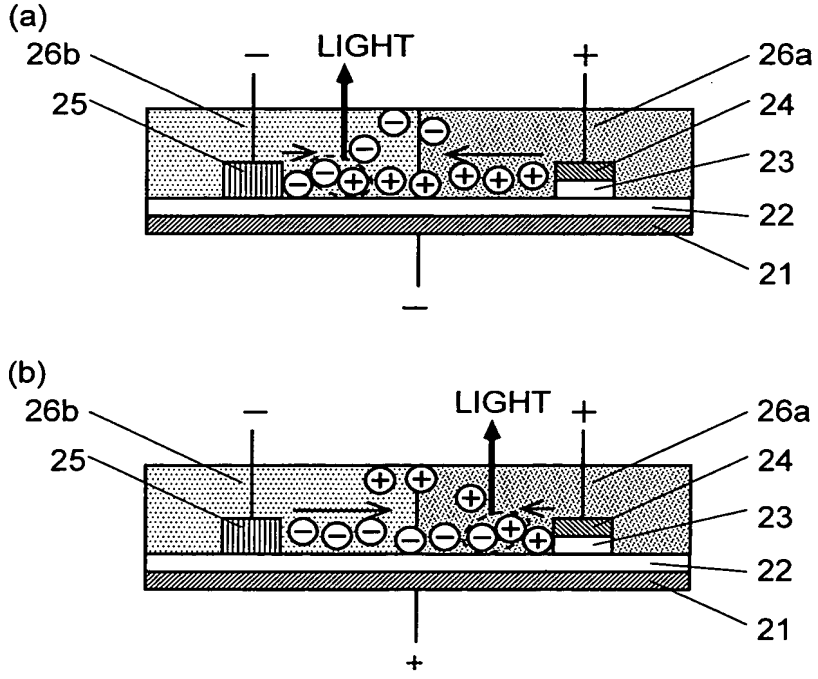


Fig. 7

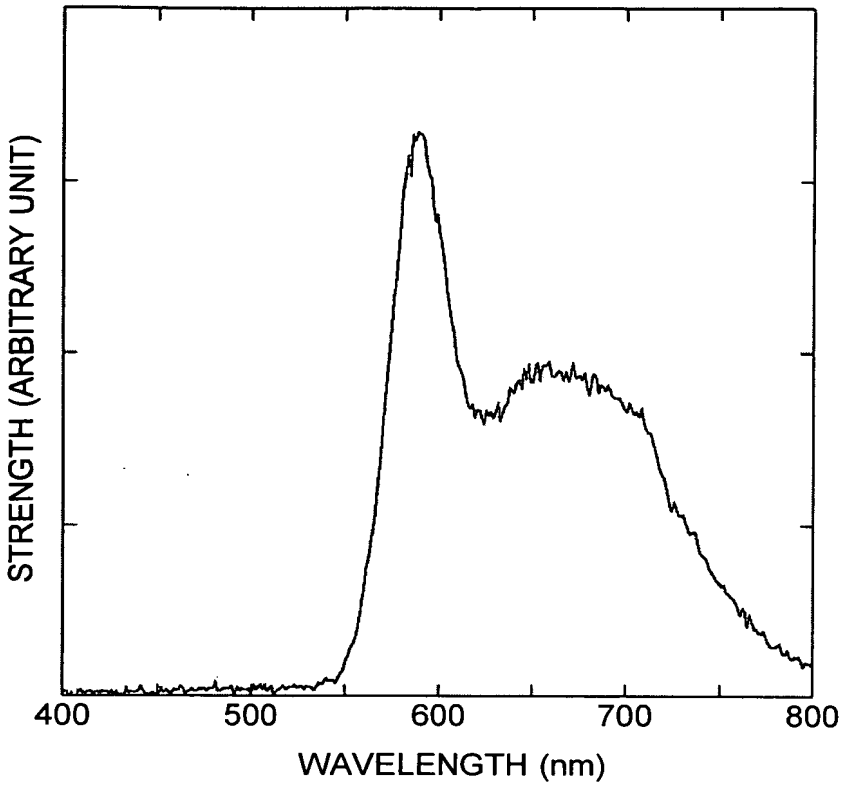
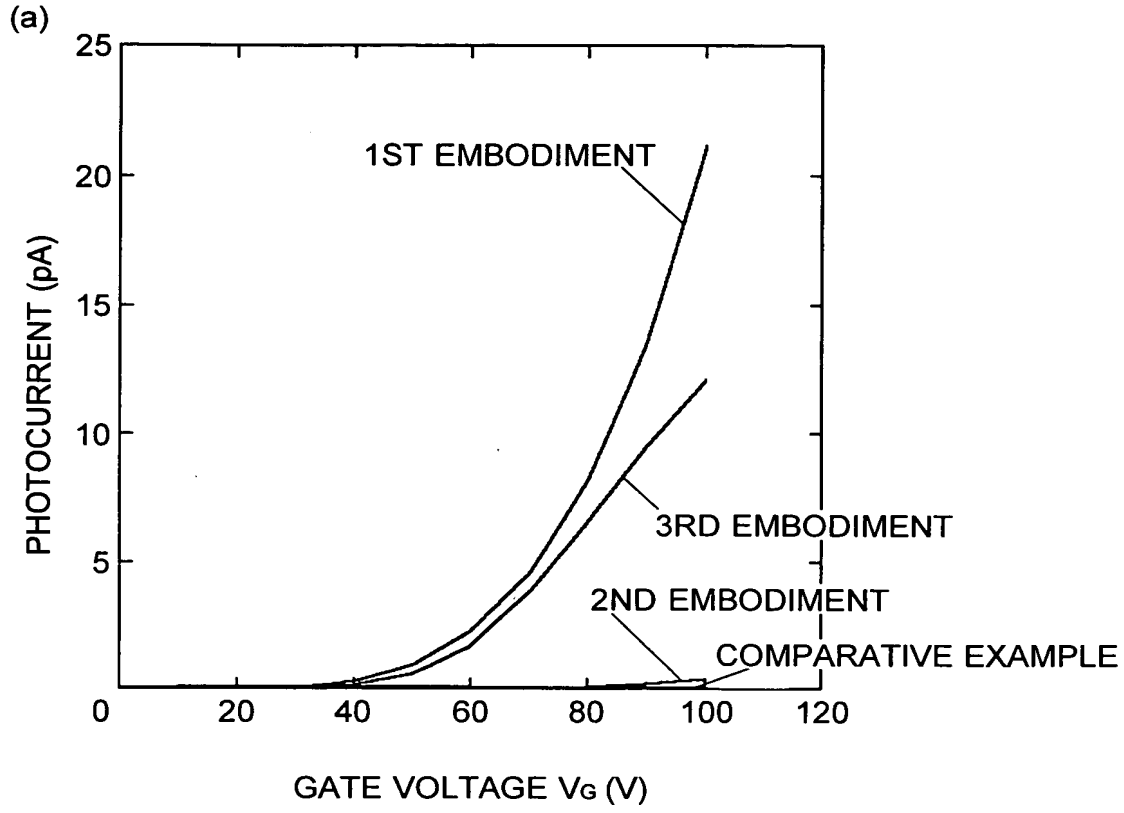


Fig. 8


(a)
25
20
15
10
5
0
20
40
60
80
100
120
PHOTOCURRENT (pA)
1ST EMBODIMENT
3RD EMBODIMENT
2ND EMBODIMENT
COMPARATIVE EXAMPLE
GATE VOLTAGE VG (V)

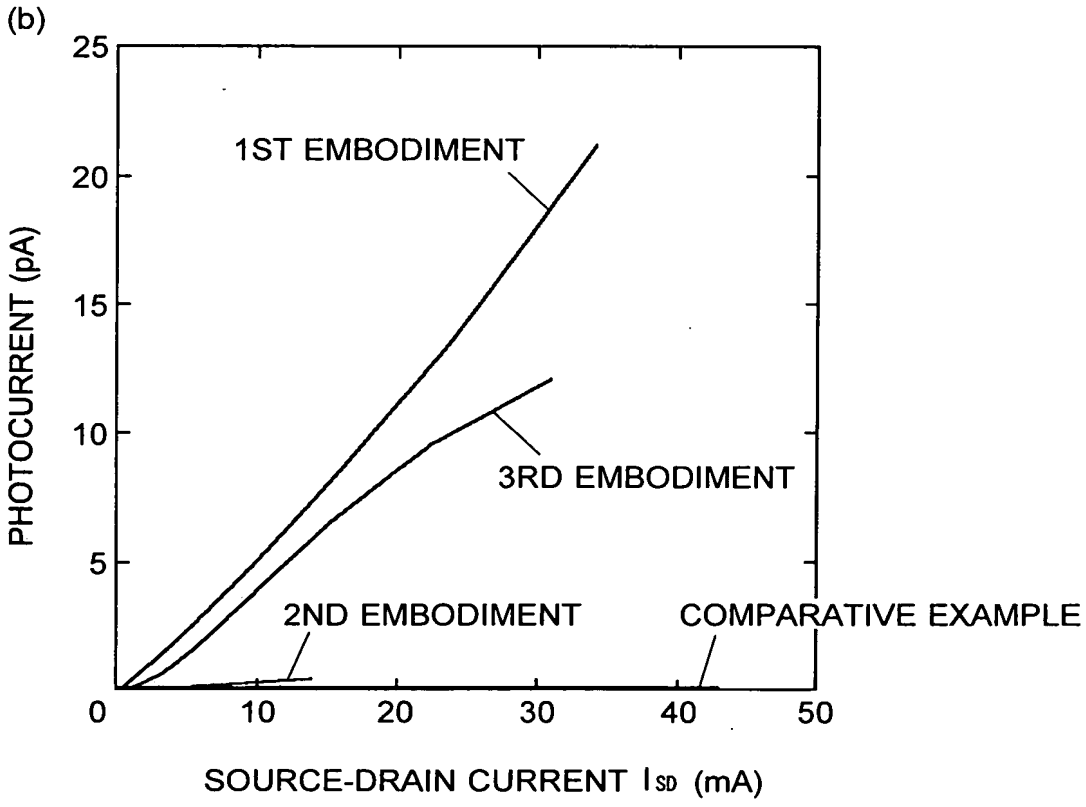

(b)
25
20
15
10
5
0
10
20
30
40
50
PHOTOCURRENT (pA)
1ST EMBODIMENT
3RD EMBODIMENT
2ND EMBODIMENT
COMPARATIVE EXAMPLE
SOURCE-DRAIN CURRENT ISD (mA)

Fig. 9

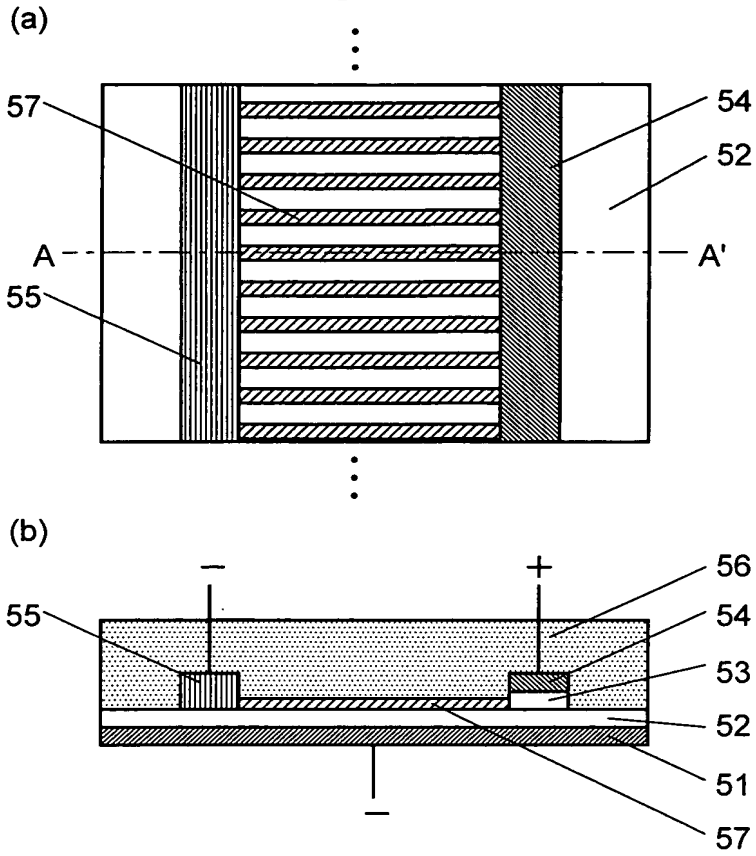

(a)
57
54
52
A
A'
55
(b)
−
+
56
55
54
53
52
51
−
57

Fig. 10

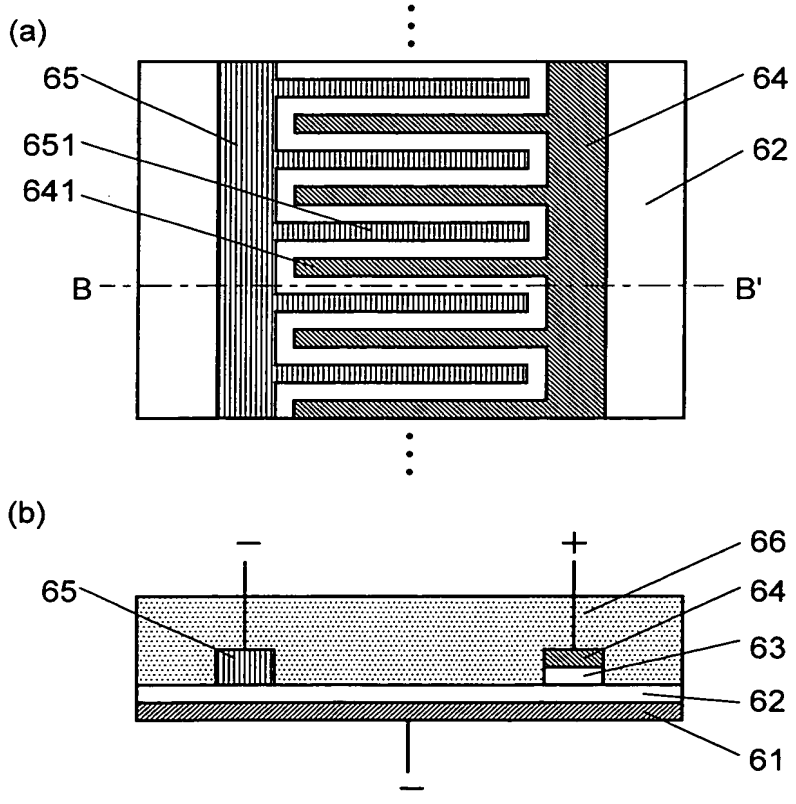

(a)
65
64
651
62
641
B
B'
(b)
−
+
66
65
64
63
62
61
−

Fig. 11